TOYOTA

APPROVED DEALER EQUIPMENT

ENGINE DIAGNOSTIC EQUIPMENT

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MULTIMETER

SUPPLIED BY: SNAP-ON/SUN

EETM303A

Vantage PRO™ Power Graphing Meter
Model No. EETM303A

The Industry Standard in Component Testing.
An enhanced component diagnosing instrument, Vantage PRO features a two-channel lab scope, fast ARM processor, large sunlight readable color display, expandable hardware architecture and Windows® operating system. The robust industrial design, common lead connections and regular software upgrades mean that Vantage PRO will be diagnosing problem vehicles long into the future.

Features:
- CompactFlash® bays for master software, user files and expandability.
- USB ports for printing, keyboard and expandability.
- Dedicated channels accept a variety of leads for accurate testing.
- 5.7" color transflective display.
- Intuitive navigation controls.
- Rechargeable battery for power that lasts.
- 'Power User Tests' provide setups for dual channel comparison tests, transducer tests and proven techniques created by hundreds of expert technicians.
- Over 45,000 unique model configurations with vehicle-specific coverage all the way back to 1979.
- Testing capabilities include engine diagnostics; transmission, ABS, charging, transfer case and suspension system checks.
- Select a component and choose precise operation, component information, connection locations and tests.
- Step-by-step instructions get you properly connected and pre-configure the scope or meter settings.
- Compare live patterns side-by-side with expected values or known good patterns.
- Determine whether or not a component is faulty before replacing it.
- Digital meter samples and optimizes signals, producing a clear and stable reading.
- Dual graphing meter plots frequency over time, ensuring dropouts other scopes and meters miss, are clearly displayed.

Includes:
- Shielded tests leads.
- Rechargeable battery.
- External battery charger.
- Power adaptor.
- User's manual.
- Hands-on training DVD.
- Carry case.

MULTIMETERS

SUPPLIED BY: SNAP-ON/SUN

Vantage Graphing Digital Multimeter and Diagnostic Database Model No. EETM300F

The Snap-on Vantage is the most powerful, handheld component test and diagnostic tool available. Far superior to other digital meters and easier to use and more extensive than any lab scope, the Vantage is in a class all its own.

The Vantage combines a Graphing Digital Multimeter with a diagnostic database. The diagnostic database gives component-specific online test information and automatically configures the tool for any selected component and test.

Features:

- Database — domestic coverage. Transmission testing added to Asian Manufacturers.
- Increased navigation speed in long menus.
- Up to (20) continuous screens can be recorded for data review.
- Up to (5) screens can be loaded and saved into long-term nonvolatile memory.
- New cursor feature allows the user to freeze up to (20) histograph screens and superimpose a cursor over the histograph while the min./max. reading is displayed on the screen at the same time.
- Vehicle and component-specific help is displayed, including connector drawings with pinouts, known good waveforms, common failures and faults and component operation.
- Graph mode allows viewing of any meter reading as a histograph (over time).
- Supersensitive glitch circuitry captures min./max. readings down to 300 microsecond spikes.
- Same simple point-and-click operation as the Snap-on Scanner.

Options:

EEPV302AL	Pressure transducer kit (0 – 100 p.s.i.).
EEPV302AT	Pressure transducer kit (0 – 500 p.s.i.).
EEPV302AH	Pressure transducer kit (0 – 5000 p.s.i.).
EAX0024B30A	6' transducer extension cable.
EAX0024B40A	Transducer "Y" adaptor cable.
EETA300A	r.p.m. pickup.
EETM306A	kV ignition module.
EETA308A	Low amps probe.

Multi-Mate Automotive Digital Multimeter Kit Model No. MT586BK

Automotive DMM with 4,000 count analog bar graph display. Includes lead set with alligator clips, 0.5 and 1.0 amp fuses, protective pickup and temperature adaptor with beaded K-type probe.

Features:

- Variable trigger and noise reduction provide more accurate readings.
- Measure AC voltage signals on digital MAF, wheel speed and vehicle speed sensors.
- Use DC voltage ranges to verify proper voltage is arriving at a sensor or circuit.
- Test fuel injector pulse width and carburetor mixture control duty cycle.
- Measure r.p.m., dwell and duty cycle.
- Measures ohms to determine resistance of a coil or spark plug wire. Use the diode function to test the diode pack on a typical alternator.
- Temperature measurements: -40 – 2,498° F (-20 – 1370° C)

MT586BK

EETM300F

EVAP LEAK DETECTION SYSTEM

NEW FOR 06

SUPPLIED BY: WORLDWIDE VAPOR, INC.

VACUTEC® EVAPro™ Smoke Machine Fuel EVAP Emissions System Tester Model No. ETI2000E

The VACUTEC® EVAPro™ ETI2000E is the quick, safe and easy way to find fuel evaporative (EVAP) emissions leaks. The VACUTEC's versatile design also allows for additional leak-testing and diagnostic capabilities such as finding a vehicle's intake manifold system leaks, exhaust system leaks, under-dash vacuum system leaks and many other closed systems where you may suspect a leak. It also pinpoints wind and water leaks entering the vehicle's passenger or trunk compartments. And it does it all in just minutes.

Its unique design allows the operator to first confirm the integrity of the EVAP system being tested by utilizing a two-minute metered air pass/fail test. If the tester has confirmed a leak, the tester then introduces a special non-toxic diagnostic vapor (smoke) into the system. To locate the source of the leak you simply look for the exiting smoke at the exact location of the leak(s).

This tool is the next generation solution to the problems described above. The VACUTEC® EVAPro™ ETI2000E has been designed to meet the needs of all makes of cars.

Uses:

- Fuel EVAP emissions system tester/leak detector.
- Also finds leaks in induction systems, under-dash vacuum systems, exhaust and EGR systems, throttle bodies, unfiltered and unmetered air systems, wind and water leaks and much more.
- Tests all low-pressure closed system leaks.

Features:

- STAR EVAP-approved licensed technology.
- Diagnostic Smoke™ identifies the leak(s).
- Dipstick refillable — minimum (500) tests per solution fill.
- Two-minute pass/fail test quickly verifies 0.040 and 0.020 EVAP leaks.
- Uses shop air for general purpose leak detection and nitrogen for safe EVAP testing.
- Quickly finds dozens of other types of leaks.
- All tests are safely performed with the engine off.
- Saves hours of diagnostic time.
- Eliminate costly comebacks.
- 100% effective.
- 12 volt operation.
- Made in the USA.

CE

Specifications:

- Height: 17" (43.2 cm)
- Width: 8"(20.3 cm)
- Depth: 15" (38.1 cm)
- Weight: 23 lb. (10.4 kg)
- Ship weight: 26 lb. (11.8 kg)
- Supply pressure: 13.0" H2O
- Operation temp. range: 45 – 140° F (7.2 – 60° C)
- Power supply: 12 volts DC
- Smoke supply line: 10' (3.0 m)
- Power supply line: 10' (3.0 m)
- Remote control cable: 10' (3.0 m)
- Amperage usage: 15 amps
- Uses shop air or any inert gas

ETI2000E
Cart not included.

Includes:

- OBD II service port adaptors.
- Assorted cap plug kit.
- Exhaust cone adaptors.
- Wind and water leak detector adaptor.
- 400K CP halogen spotlight with 20' cord.
- Tech tips booklet.
- Instructional manual.
- ETIP0716 Smoke-producing solution.
- ETIWVA-01 Exhaust cone adaptor.
- ETIWVA-02 Assorted cap plugs.
- ETIWVA-03 Diffuser for wind/water leaks.
- ETIWVA06 EVAP port adaptor (standard).
- ETIWVA042 EVAP port adaptor (small size).
- ETIWVA041 Nitrogen coiled hose 25'.
- ETIWVA049 Dual-size Schrader tool.
- ETIHS400AC 400K CP halogen spotlight.

Also Available:

ETI20022227NG	100 p.s.i. preset nitrogen regulator.
ETI2000EEW	One-year extended warranty.
ETIWVA050	EVAP cart station

LISTENING TOOLS

SUPPLIED BY: JS PRODUCTS

EngineEAR® II, Advanced Electronic Listening Tool Model No. JSP06800

SAVE TIME TROUBLESHOOTING.

EngineEAR II is an advanced electronic stethoscope which dramatically outperforms and replaces the ordinary mechanic's stethoscope and offers much more versatility to automotive, industrial and HVAC service technicians. This timesaving product is used to detect bad bearings, bushings, noisy lifters, exhaust manifold leaks, broken or chipped gear teeth. It is also used to pinpoint the location of wind and water leaks around doors, windows and sunroofs. Simply place the sensing tip on the suspect part, place the professional headphones over both ears (blocks surrounding noise), turn on unit, adjust the volume control, dB sound level and listen to what's going on. A new level of problem solving.

The EngineEAR II with the (7) sound levels enables the operator to select the correct frequency from 60 – 1200dB, thus adding clarity to all types of noises. The new inductive Metal Probe quickly fits over the EngineEAR II microphone and is perfect when you need a longer reach or are working around very hot surfaces. It senses the faintest vibrations and transmits very clear sounds to the headphones through our extraordinary amplifier.

Features:

- Ultra sensitive microphone and amplifier give full range of sounds needed by the professional.
- Quickly pinpoints noise and location of bad bearings, bushings, dirty fuel injectors, wind and air leaks, noisy valves and lifters.
- Non-conductive coating will not bother expensive computer circuitry.
- Limited distortion of unwanted sounds.
- (7) sound level control settings, 60 – 1200dB, adds clarity to all types of noises, dB meter, monitor.
- Flexible shaft reaches tight areas.
- High/low volume control.
- Battery check position on control switch.

Includes:

- ABS carrying/storage case.

Replacement Parts:

JSP06802	EngineEAR II wand
JSPHD6060N	Headset

TracerEAR — Electronic Stethoscope Model No. JSPSM06400

Features:

- Super sensitive microphone in tip of stethoscope.
- Flexible 9" shaft for hard-to-reach places.
- Non-conductive coated shaft.
- Adjustable volume control which helps in identifying noises.
- Headphones block outside noise.
- Easy to use — simply place the sensing tip on the suspect part, place the headphones over both ears, turn on unit, adjust the volume control and place wand to parts or area to detect problem sounds.

Replacement Part:

JSP411	EngineEAR wand

JSP06800

JSPSM06400

LISTENING TOOLS

SUPPLIED BY: JS PRODUCTS

Combo EngineEAR® and ChassisEAR™ Model No. JSPSM06606

EngineEAR

- Flexible shaft reaches the tightest areas.
- Non-conductive coating will not zap expensive circuitry.
- Ultra sensitive mic and amplifier give full range of sounds.
- No distortion or unwanted sounds bleed in.

ChassisEAR

- Listen to (6) under-chassis locations in (1) road test.
- Hear noises that cannot be duplicated in the stall.
- Essential for saving needless warranty expense.
- Improves shop efficiency and revenues and saves time.
- Improves customer satisfaction.

JSPSM06606

SAVE TIME TROUBLESHOOTING

EngineEAR is an advanced electronic stethoscope which dramatically outperforms and replaces the ordinary mechanic stethoscope and offers much more versatility to automotive, industrial and HVAC service technicians. This timesaving product is used to detect bad bearings, bushings, noisy lifters, exhaust manifold leaks, broken or chipped gear teeth. It is also used to pinpoint the location of wind and water leaks around doors, windows and sunroofs. In the industrial/HVAC markets, EngineEar is used to detect defects in Pillow Block Bearings, hydraulic pumps, valves, solenoid, heating pumps and motors, air conditioning compressors, refrigeration compressors, pneumatic controls and fan systems (bearings). Simply place the sensing tip on the suspect part, place the professional headphones over both ears (blocks surrounding noise), turn on unit, adjust the volume control and listen to what's going on.

INDUCTIVE METAL PROBE

The new inductive Metal Probe quickly fits over the EngineEar microphone and is perfect when you need a longer reach or are working around very hot surfaces. It senses the faintest vibrations and transmits very clear sounds to the headphones through our extraordinary amplifier.

An electronic diagnostic system has been developed to conquer the most frustrating and costly problems facing today's automotive technician, and that is the location of problem sounds. Today's vehicle manufacturers stress “sound proofing” which multiplies the problem in locating mechanical sounds while driving the vehicle (e.g. bearings grinding, rattles and squeaks hidden in wheels, transmissions, differential, c.v. joints and many others).

STEELMAN ChassisEAR enables the technician to quickly pinpoint the exact location of noises that occur under chassis, under hood and under dash. Up to (6) locations can be diagnosed in (1) simple road test.

JUST ONE ROAD TEST

Just clamp on the sensor clamps to the suspect problem part. That could be noisy drivelines, wheel bearings, differential transmission, suspect body parts or under the dash. This allows the technician to test drive a vehicle while listening to each of the isolated sensor clamps. The results are outstanding to say the least.

Replacement Parts:

JSPSM06635	Complete set of replacement leads
JSP06630R	Red clamp lead
JSP06630Y	Yellow clamp lead
JSP06630P	Pink clamp lead
JSP06630W	White clamp lead
JSP06630B	Blue clamp lead
JSP06630G	Green clamp lead
JSPHD6060N	Headset
JSPSM06610	Control box for ChassisEAR
JSP411	EngineEAR wand

STETHOSCOPE/SQUEAK AND RATTLE FINDER

SUPPLIED BY: JS PRODUCTS

EngineEAR® — Electronic Stethoscope Model No. JSPSM65001

Features:

- Super sensitive microphone in tip of stethoscope.
- Flexible 9" shaft for hard-to-reach places.
- Non-conductive coated shaft.
- Adjustable volume control which helps in identifying noises.
- Professional headphones block outside noise.
- Easy to use.
- Simply place the sensing tip on the suspect part, place the professional headphones over both ears, turn on unit, adjust the volume control and listen to what's going on.

Includes:

- Professional headphones.
- Electronic stethoscope with flexible shaft.
- Inductive metal probe.
- ABS carry/storage case with foam.

Replacement Parts:

JSPHD6060N	Headset
JSP411	EngineEAR wand

ChassisEAR™, Electronic Squeak and Rattle Finder Model No. JSPSM06600

Features:

- Listen to (6) under chassis locations in (1) road test.
- Hear noises that cannot be duplicated without road testing vehicle.
- Essential for saving needless warranty expense.
- Save time and labor expense finding those hard to find noises.
- This electronic diagnostic system will conquer the most frustrating and costly problems, finding problem sounds while driving the vehicle.
- Comes with ABS carrying/storage case.
- An essential tool for all auto mechanics/body shops and new car dealers.

Replacement Parts:

JSPSM06635	Complete set of replacement leads
JSP06630R	Red clamp lead
JSP06630Y	Yellow clamp lead
JSP06630P	Pink clamp lead
JSP06630W	White clamp lead
JSP06630B	Blue clamp lead
JSP06630G	Green clamp lead
JSPHD6060N	Head set
JSPSM06610	Control box for ChassisEAR

JSPSM65001

JSPSM06600